

FIG. 1

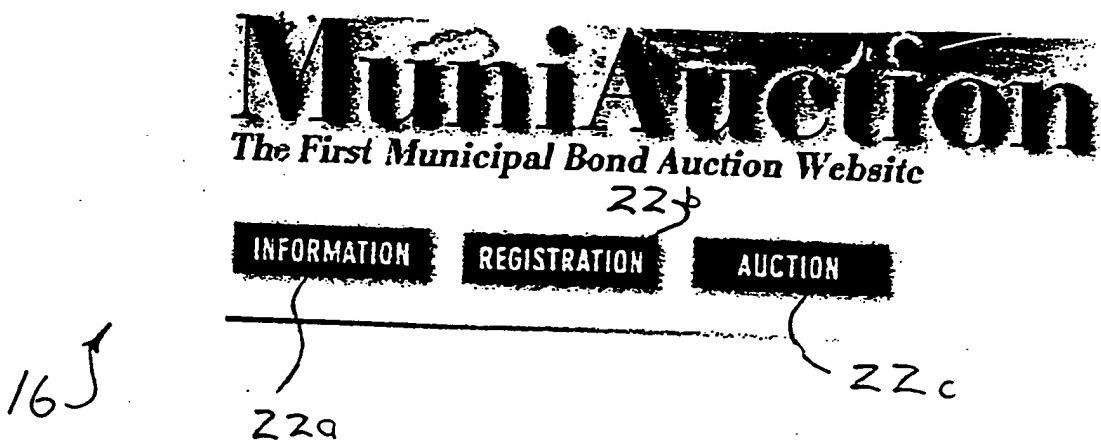


FIG. 2

002100-555555555555

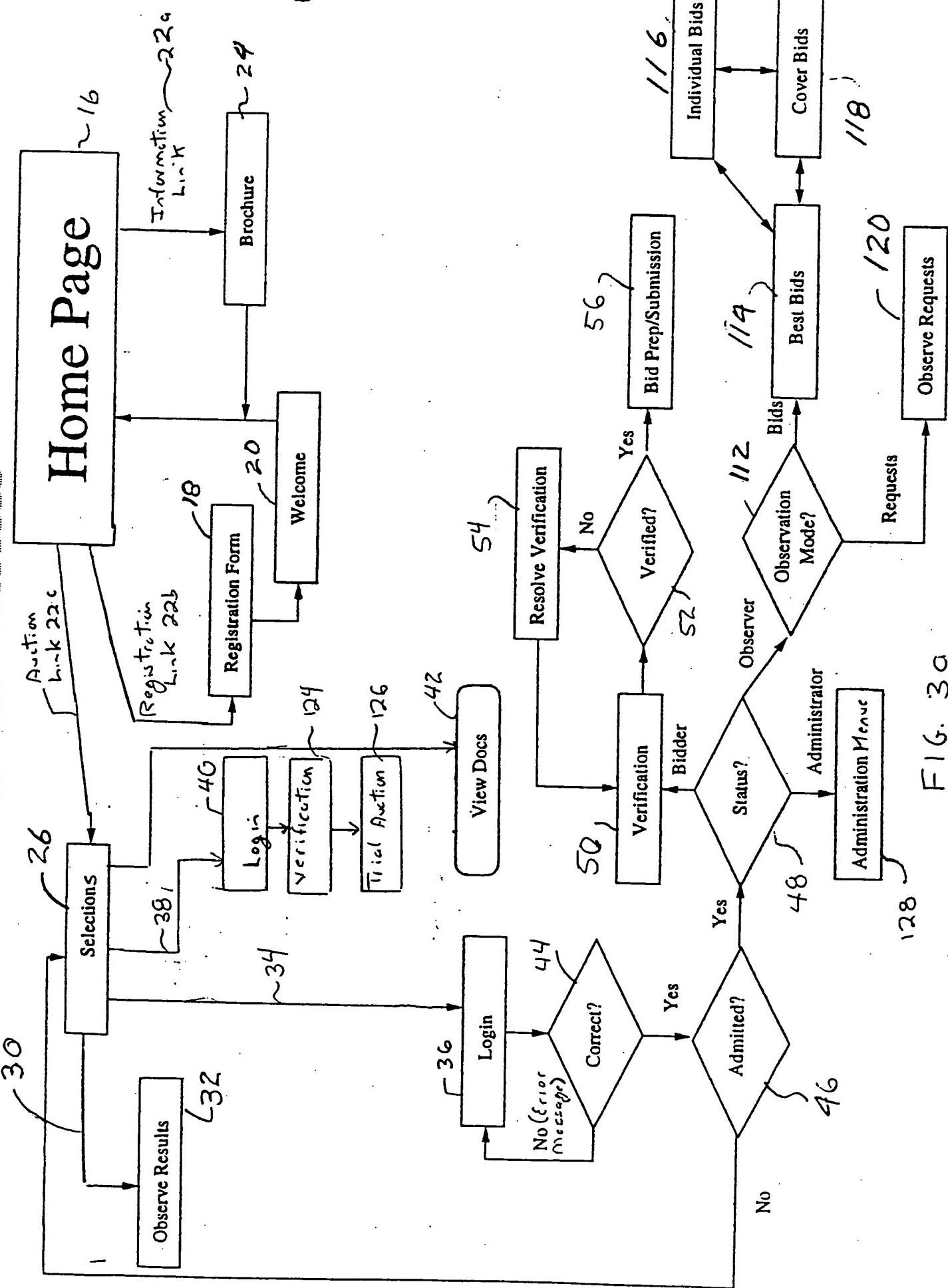


FIG. 3a

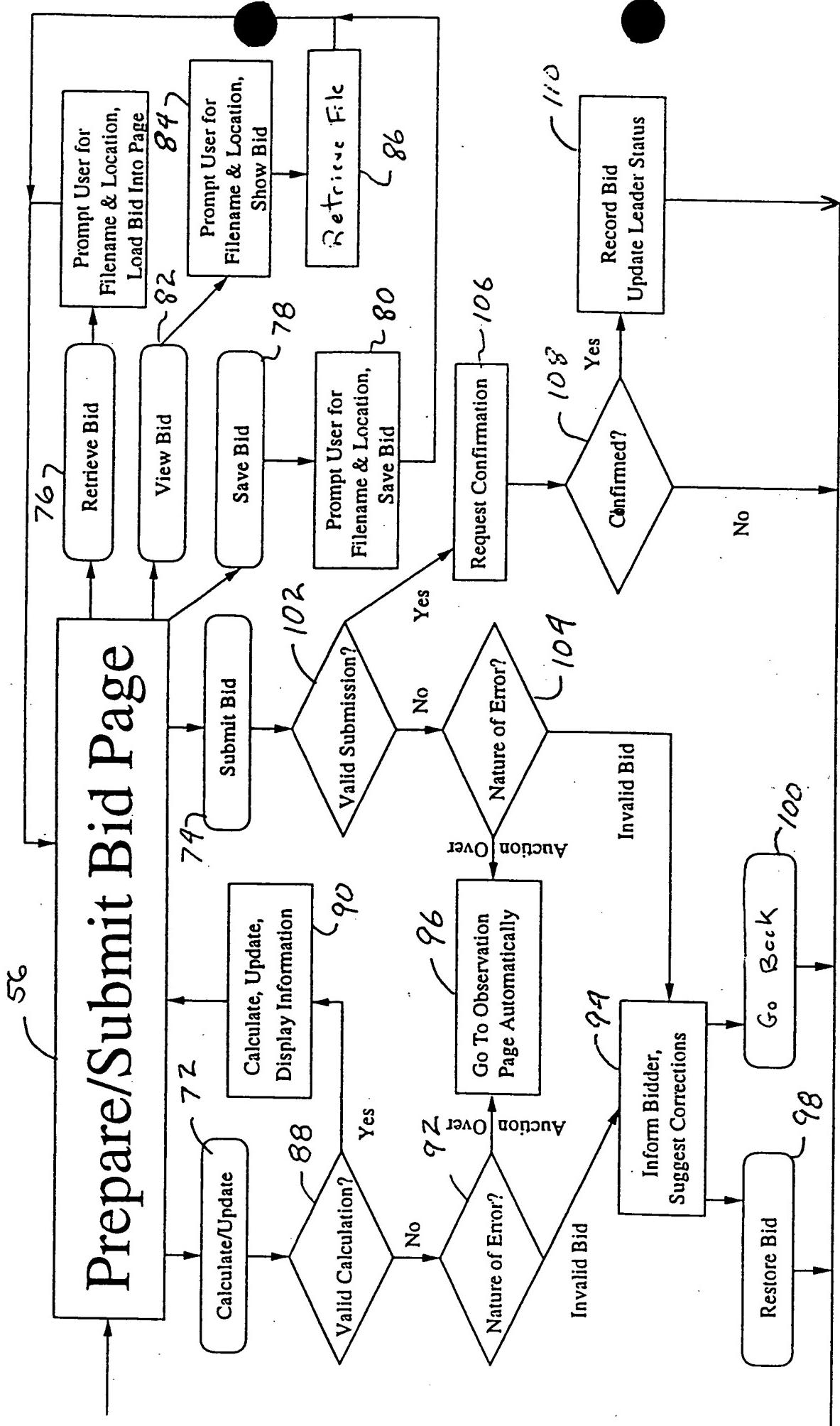
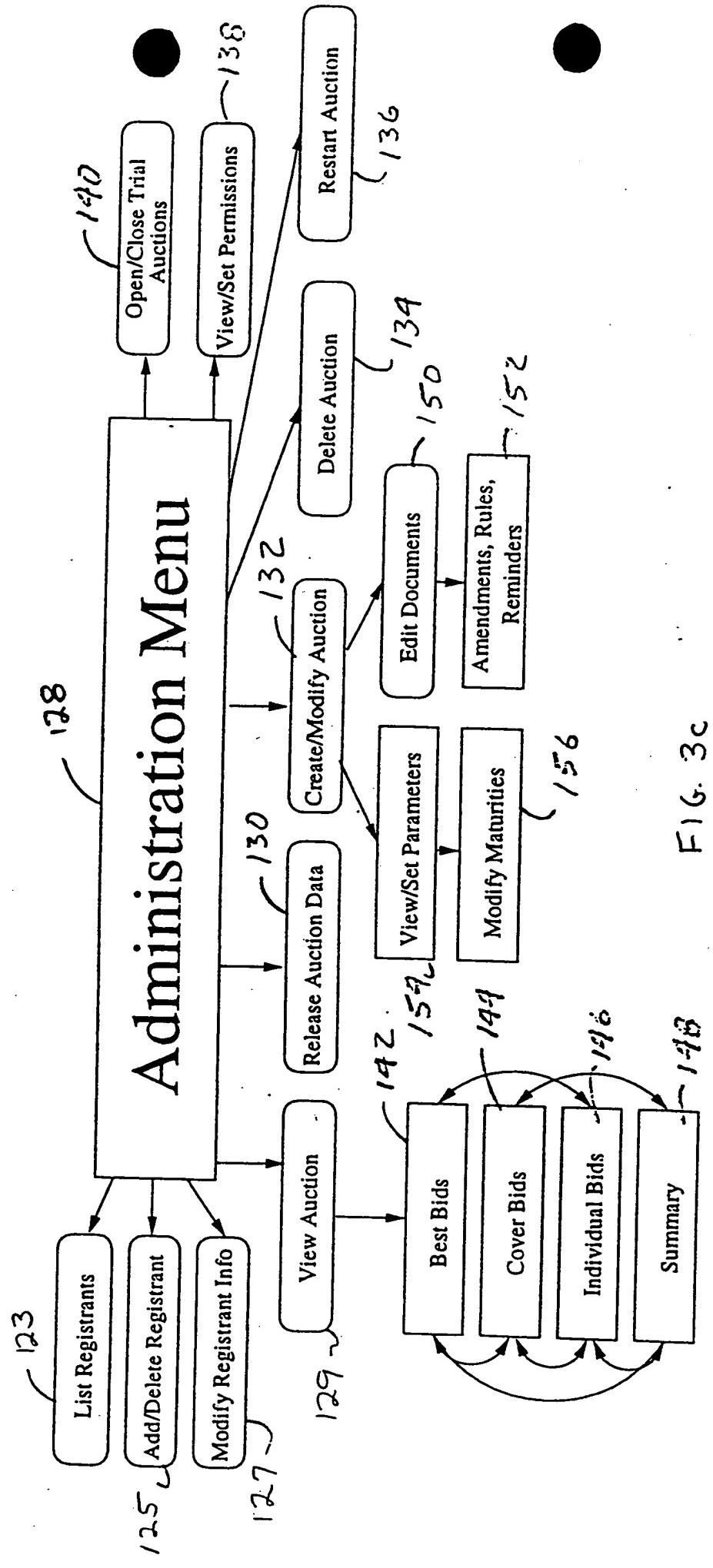


FIG. 3b



28

REGISTRATION QUESTIONS (Fields displayed in bold below are required.)

FIRST NAME:

LAST NAME:

ORGANIZATION:

ADDRESS (1st Line):

ADDRESS (2nd Line):

CITY:

STATE:

ZIP:

TELEPHONE:

TELEFAX:

E-MAIL:

**MOTHER'S MAIDEN
NAME:** (for security reasons only, e.g., verify
your identity by phone)

FIG. 4

Selections

26

Issuer	State	Description	Size*	Auction Date*	Start Time*
City of Trial Auction (All-or-None)	OR	Limited Tax Revenue Bonds 1998 Series A	\$29,000,000	Any Day	Any Time
(Amendments modified 4/20/98 @10:14 pm)					
		<input type="button" value="Enter Auction"/> <input type="button" value="View Notice of Sale"/> <input type="button" value="View Amendments"/> <input type="button" value="View POS"/>			
(Amendments modified 4/20/98 @10:14 pm)					
		<input type="button" value="Enter Auction"/> <input type="button" value="View Notice of Sale"/> <input type="button" value="View Amendments"/> <input type="button" value="View POS"/>			
City of Portland (All-or-None)	OR	Limited Tax Revenue Bonds 1998 Series A	\$29,000,000	4/21/98	11:30 am EDT
(Amendments modified 4/20/98 @10:14 pm)					
		<input type="button" value="Observe Results"/> <input type="button" value="View Notice of Sale"/> <input type="button" value="View Amendments"/> <input type="button" value="View POS"/> <input type="button" value="Request Admission"/>			
(Amendments modified 4/20/98 @10:14 pm)					
		<input type="button" value="Observe Results"/> <input type="button" value="View Notice of Sale"/> <input type="button" value="View Amendments"/> <input type="button" value="View POS"/> <input type="button" value="Request Admission"/>			

Go to: [MuniAuction Home Page](#), [Rules](#) (modified 4/16/98 @5:01 pm), [Instructions](#), [Reminders](#), [Results](#)

FIG. 5

32

Observe Auction: Portland.1998A.MBM MBM Best Bids

Auction Date	Auction Type	Start	End	Time Of Last Update	Auction Status
Tue., Apr 21, 1998	MBM	11:30 am	12:00 pm	11:13:05 am EDT	Over

\$29,000,000
 City of Portland, Oregon
 Limited Tax Revenue Bonds
 1998 Series A

Best MBM TIC:	Best AON TIC:	Best AON Bidder:
4.9574 % (Not Winner)	4.9526 % (Winner)	Salomon Smith Barney (Winner)

[Refresh](#)

Principal

Due	Amount*	Coupon	Price	Best Yield
April 1, 2000	\$1,000,000	3.900%	99.703%	4.063%
April 1, 2001	\$1,040,000	4.000%	99.578%	4.155%
:	:	:	:	:
April 1, 2016	\$2,050,000	5.000%	98.004%	5.172%
April 1, 2017	\$2,160,000	5.100%	98.710%	5.208%
April 1, 2018	\$2,270,000	5.125%	99.032%	5.203%

Best MBM Bidder
 U.S. Bancorp Securities, Inc.
 U.S. Bancorp Securities, Inc.

;

ADVEST INC.

U.S. Bancorp Securities, Inc.
 CIBC-Oppenheimer

[Refresh](#)

Click below to see other bidder results

LEBE-DS	WILL-MD	PRAG-RM	BELL-ER	GEOR-KD	HUTC-RD	FIRS-RE
FIDE-DD	ADVE-JL	INTE-SF	RAYM-JR	A.G.-GH	SEAT-MA	U.S.-KS
MORG-TB	COMM-CB	EDWA-JC	ARTE-BW	CIBC-WH	Cover Bids	Bid Summary

Go [Notice of Sale, Amendments](#) (modified 4/20/98 @ 10:14 pm), [POS](#), [Rules](#) (modified to: 4/16/98 @ 5:02 pm) [Instructions](#), [Reminders](#), [Selections](#), [Results](#)
 Exit to: [MuniAuction Home Page](#)

FIG. 6

Login

36/40

Auction Name: AON.TRIAL.AUCTION.SeriesA

Please go to Registration page if you have not yet registered with MuniAuction.

Enter your ID number:

Enter your password:

Note: Password is Case-Sensitive.

FIG. 7

ENTER

 as a Bidder
 as an Observer

Exit to: MuniAuction Home Page

DRAFT RELEASE "092100"

Acknowledgement

In order to view this POS, you must first acknowledge that you are eligible to bid (i.e., you represent either a bank or NASD registered broker-dealer).

I Am Eligible

I Am Not Eligible

This shall not constitute a solicitation or offer to bid or purchase these securities to such persons or in such jurisdictions to which such offerings or solicitations are not permitted. An offer or solicitation shall be made only by means of the Preliminary Official Statement.

Back to: [Selections Page](#)

FIG. 8

Verification

← 50

Your name is Edward Pencoske.
Your firm is Thorp Reed & Armstrong.
This auction is AON.TRIAL.AUCTION.1998A.
This auction is an All-Or-None auction.

Please verify that the above information is correct.

YES NO

Have you read the Notice of Sale and related Amendments (modified 4/20/98 @10:14 pm), if any, and do you agree to abide by the terms and conditions?

YES NO

Have you read the Preliminary Official Statement?

YES NO

Have you read the Rules of MuniAuction (modified 4/16/98 @5:01 pm) and do you agree to abide by them?

YES NO

Go Notice of Sale, Amendments (modified 4/20/98 @10:14 pm), POS, Rules (modified to: 4/16/98 @5:01 pm) Instructions, Reminders, Selections, Results

Exit to: MuniAuction Home Page

FIG. 9

NOTICE OF AUCTION

Auction

56

Auction Date	Auction Type	Start	End	Time Of Last Update	Auction Status
Mon., Feb 23, 1998	NBM	9:30 am	10:00 am	3:10:16 pm	Over

\$91,760,000
The Pittsburgh Water and Sewer Authority, Pennsylvania
Water and Sewer System First Lien Revenue Bonds,
Series A of 1998

Name of firm submitting bid: MuniAuction, Inc.

70

This auction is competing with PittsburghWaterAndSewer.SeriesA.AON.

As of 3:10:16 pm, bids have been submitted for all maturities.

72

74

<input type="button" value="Calculate/Update"/>	IMPORTANT: Bidders must click the "Calculate/Update" button frequently during auction to update "Time of Last Update". Also, clicking "Calculate/Update" does not result in bid submission.						<input type="button" value="Submit Bid"/>
68 Due	66 Principal Amount	Coupon	Enter Either:		70 Your Status	76 Submitted Cpn-PP--YTM	
September 01, 2017	\$8,275,000	%	%	OR	%	Not Winner	
September 01, 2018	\$8,695,000	%	%	OR	%	Not Winner	
•	•	•	•	•	•	•	
•	•	•	•	•	•	•	
•	•	•	•	•	•	•	
September 01, 2025	\$12,370,000	%	%	OR	%	Not Winner	

IMPORTANT: Bidders must click the "Calculate/Update" button frequently during auction to update "Time of Last Update". Also, clicking "Calculate/Update" does not result in bid submission.

Go to: [Notice of Sale, Amendments](#) (modified 2/20/98 at 11:23 am), [PDS, Rules](#) (modified 2/2/98 at 11:40 am) [Instructions](#), [Reminders](#), [Selections](#)
Exit to: [MuniAuction Home Page](#)

FIG. 10

Auction

56

Auction Date	Auction Type	Start	End	Time Of Last Update	Auction Status
Mon, Feb 23, 1998	AON	9:30 am	10:00 am	3:08:28 pm	Over

\$91,760,000
The Pittsburgh Water and Sewer Authority, Pennsylvania
Water and Sewer System First Lien Revenue Bonds,
Series A of 1998

Name of firm submitting bid: MuniAuction, Inc.

Purchase Price: 3 77 76
(not to be less than \$89,466,000.00)

Your TIC: NO BID Your Status: Not Winner

703 This auction is competing with PittsburghWaterAndSewer.SeriesA.MBM.

As of 3:08:28 pm, there has been at least one all-or-none bid submitted in this auction.

<input type="button" value="Calculate/Update"/>	IMPORTANT: Bidders must click the "Calculate/Update" button frequently during auction to update "Time of Last Update". Also, clicking "Calculate/Update" does not result in bid submission.				<input type="button" value="Submit Bid"/>
68 Due	66 Principal Amount	Serial/ Sinker/ Term	Coupon	Enter Either:	
September 01, 2017	\$8,275,000	Serial <input type="button" value="▼"/>	%	%	Reoffering Price OR Yield-to-Maturity
September 01, 2018	\$8,695,000	Serial <input type="button" value="▼"/>	%	%	OR %
•	•	•	•	•	•
•	•	•	•	•	•
September 01, 2025	\$12,370,000	Serial <input type="button" value="▼"/>	%	%	OR %

<input type="button" value="Calculate/Update"/>	IMPORTANT: Bidders must click the "Calculate/Update" button frequently during auction to update "Time of Last Update". Also, clicking "Calculate/Update" does not result in bid submission.				<input type="button" value="Submit Bid"/>
September 01, 2025	\$12,370,000	Serial <input type="button" value="▼"/>	%	%	OR %

Go to: [Notice of Sale, Amendments](#) (modified 2/20/98 @ 11:23 am), [PSS Rules](#) (modified 2/20/98 @ 11:40 am) [Instructions](#), [Reminders](#), [Selections](#)

Exit to: [MuniAuction Home Page](#)

FIG. 11

Error

Sorry. Your bid was invalid for the following reasons:

1. For the Sinking Fund redemptions maturing on September 01, 2022 you are not allowed to enter a yield.
2. For the Sinking Fund redemptions maturing on September 01, 2022 you have entered price or coupon values that are not identical to the values for the corresponding Term bonds maturing on September 01, 2023.
3. You specified bonds maturing on September 01, 2020 as Term bonds, but you did not specify bonds for the preceding maturity as Sinking Fund redemptions (i.e., "Sinker").
4. You specified bonds maturing on September 01, 2018 as Sinking Fund redemptions, but you did not specify the subsequent maturity as either Sinking Fund redemptions (i.e., "Sinker") or Term bonds.
To specify any maturity as a term bond maturity, you must specify one or more preceding maturities as Sinking Fund redemptions.
5. For the bonds maturing on September 01, 2017 you entered a coupon less than 1.00%.
6. Your Purchase Price must not be less than \$89,466,000.00
7. For the bonds maturing on September 01, 2017 your coupon entry of 0% does not conform to the rules of the auction. Coupon entered must be non-zero.

To return to the Auction Page with your most recent inputs, click the BACK button below.

BACK

To restore the Auction Page to your last successfully submitted bid, click the Restore button below (Warning: If no bid has yet been successfully submitted, clicking the Restore button will return you to a blank Auction Page).

Restore

Go to: [Notice of Sale, Amendments](#) (modified 2/20/98 @ 11:23 am), [POS, Rules](#) (modified 2/20/98 @ 11:40 am) [Instructions, Reminders, Selections](#)

Exit to: [MuniAuction Home Page](#)

FIG. 12

Confirmation

Auction Date	Auction Type	Start	End	Time Of Last Update	Auction Status
Any Day	AON			4:57:37 pm	

\$91,760,000
 AON Trial Auction (Series A), Pennsylvania
 Water and Sewer System First Lien Revenue Bonds,
 Series A of 1998

Name of firm submitting bid: MuniAuction, Inc.

Are you sure you want to submit the following bid?

No, Go Back

Yes, Submit Bid

Purchase Price: \$90,000,000.00

Year TIC: 6.0803 %

Due	Principal Amount	Serial/ Sinker/ Term	Coupon	Price	Yield
Beginning of Term group					
September 01, 2017	\$8,275,000	Sinker	5.000%	100.000%	***
September 01, 2018	\$8,695,000	Sinker	5.000%	100.000%	***
September 01, 2019	\$9,140,000	Sinker	5.000%	100.000%	***
September 01, 2020	\$9,610,000	Sinker	5.000%	100.000%	***
September 01, 2021	\$10,105,000	Term	5.000%	100.000%	5.000%
End of Term group					
September 01, 2022	\$10,630,000	Serial	6.000%	100.000%	6.000%
Beginning of Term group					
September 01, 2023	\$11,180,000	Sinker	7.000%	100.000%	***
September 01, 2024	\$11,755,000	Sinker	7.000%	100.000%	***
September 01, 2025	\$12,370,000	Term	7.000%	100.000%	7.000%
End of Term group					

Go to: [Notice of Sale, Amendments](#) (modified 2/20/03 @ 11:23 am), [POS, Rules](#) (modified 2/20/03 @ 11:40 am) [Instructions, Reminders, Selections](#)

Exit to: [MuniAuction Home Page](#)

Administration

Auction Permissions: Pittsburgh Water And Sewer Series A.AON

[Observe All](#) [Change Auction Permissions](#) [Return to Menu](#)

Admission Status	Allow Bid	Allow Obs	ID Number	Organization
Requested	<input type="checkbox"/>	<input type="checkbox"/>	MUNI-DV	MuniAuction, Inc.
Requested	<input type="checkbox"/>	<input type="checkbox"/>	SHOD-RO	The Shodor Education Foundation
	<input type="checkbox"/>	<input type="checkbox"/>	CMU-DH	CMU

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Admission Status	Allow Bid	Allow Obs	ID Number	Organization
Requested	<input type="checkbox"/>	<input type="checkbox"/>	ONLI-KO	OnLine Partners
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SHOD-MS	Fulcrum
	<input type="checkbox"/>	<input type="checkbox"/>	TEST-MT	Test, Inc.

[Change Auction Permissions](#) [Return to Menu](#)

FIG. 14

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Administration

Create New Auction

Date of Amortization	<input type="text"/> January	<input checked="" type="checkbox"/>	<input type="text"/> Day:	<input type="text"/> Year:	
Amount:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
From Date:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
Excluded Dates	<input type="text"/> January	<input checked="" type="checkbox"/>	<input type="text"/> Day:	<input type="text"/> Year:	
Amount:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
David Davis	<input type="text"/> January	<input checked="" type="checkbox"/>	<input type="text"/> Day:	<input type="text"/> Year:	
Amount:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
Date of First Interest Payment	<input type="text"/> January	<input checked="" type="checkbox"/>	<input type="text"/> Day:	<input type="text"/> Year:	
Amount:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
First Optional Call Date	<input type="text"/> January	<input checked="" type="checkbox"/>	<input type="text"/> Day:	<input type="text"/> Year:	
Amount:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
Good Faith Deposit:	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
Charging Agent Date	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	
Overnight Home Charge	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	

Auction Type	
8 Total Auction Live Auction	<input type="checkbox"/>
Options	<input checked="" type="checkbox"/>
○ All-in-None Inclusive Auctions from 1	<input type="checkbox"/>
8 All-in-Split Auctions from 8	<input type="checkbox"/>
○ All-in-Split and Only	<input type="checkbox"/>
○ Mystery Buy-Mystery	<input type="checkbox"/>
○ Display Best TCO/Tid and Same Change Rates for Best Best TCO/Tid Best Best TCO/Tid and Same	<input type="checkbox"/>
Auction Matching <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>
Competitive <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>
Best Bidding Matching Rule	<input type="checkbox"/>

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